

Approved for use through 10/31/2002, OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheet as necessary)</i>				<i>Complete if Known</i>	
				Application Number	filed herewith
				Filing Date	filed herewith
				First Named Inventor	Jeffrey N. Willits
				Group Art Unit	
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	091-0188

[illegible]

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. 1	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T6
		Country Code ²	*Number ⁴ Kind Code ⁵ (if known)				
	5	WO	02/088018 A2	11-07-2002	Weaver et al.		
	6	WO	0067063 A1	11-09-2000	Dhuler et al.		
	7	WO	03022731 A1	03-20-2003	Thaysen et al.		
	8	WO	0237162 A2	05-10-2002	Weaver et al.		

Examiner Signature	<i>chems</i>	Date Considered	3/19/05
-----------------------	--------------	--------------------	---------

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent documents. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231

Please type a plus sign (+) inside this box → +

PTO/SB/08A (10-01)

Approved for use through 10/31/2002, OMB 0851-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheet as necessary)</i>		Complete if Known	
		Application Number	filed herewith
		Filing Date	filed herewith
		First Named Inventor	Jeffrey N. Willits
		Group Art Unit	
		Examiner Name	
Sheet	2	of	2
		Attorney Docket Number	091-0188

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
<i>EJP</i>	9	GRAY et al., "Support and Actuation of Six Secondaries for the 6.5m MMT and 8.4m LBT Telescopes", Proceedings of SPIE conference on Optical Telescopes of Today and Tomorrow, 2871, (1996)	
<i>EJP</i>	10	JOSHI, "Compact Magnetostrictive Actuators and Linear Motors", Actuator 2000 Conference, Bremen, Germany (June 2000)	
<i>EJP</i>	11	G. BRUSA et al., "From adaptive secondary mirrors to extra-thin large adaptive primary mirrors", http://arcetri.astro.it/~brusa/backaskog.ps.gz , Osservatorio Astrofisico di Arcetri, Firenze, Italy	

Examiner Signature	<i>Chen</i>	Date Considered	3/19/05
-----------------------	-------------	--------------------	---------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231